

PLATINUM ALUMINIDE COATING & METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

5 Platinum containing coatings for corrosion and oxidation protection of a substrate, and platinum electrodeposition methods for coating a substrate. The coating may comprise platinum and at least one supplementary constituent, and the method may involve co-electrodeposition of platinum and the supplementary constituent from a single electrolyte composition. The supplementary 10 constituent may comprise chromium, an oxidation protective reactive element, or an alloy of chromium with a reactive element. Components protected by such coatings are also disclosed.